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⑤④ Tablets having clear impressed marks and method for making same.

⑤⑦ Tablets having clear marks, such as letters or figures,
impressed thereon are produced by depositing in the impressed
valley portion providing the mark a material different in color tone
from the portion other than the impressed valley portion.

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TABLETS HAVING CLEAR IMPRESSED MARKS AND
METHOD FOR MAKING SAME

This invention relates to tablets having clear marks (including letters, figures and the like) impressed thereon and a method for producing same. More particularly, it relates to tablets having marks impressed thereon
5 wherein in the impressed valley portion is deposited a material different in color tone from the portion other than the mark portion and, if necessary, these tablets are further applied with a coating and a method for producing same.

10

Generally, tablets are impressed with marks and the like for identification of kinds and contents of ingredients and names of makers, etc. and in some case the identification is made by observing the marks appearing
15 on the surface of a film coated on tablets which have been impressed with the marks.

Such identification has the defects that it is difficult because letters or marks are shown only by the
20 irregularity of the surface of tablets which is produced by impressing the letters or the marks and besides, when a coating film is provided thereon, the coating cannot be made in a large amount because the impressed valley portions are filled with the coating agent.

25

Another method of identification is to print the letters or marks on the surface of tablets which have been applied with a coating. This method also has the problems that the printing ink often falls off due
30 to friction between tablets per se during the handling to result in unclear printed letters and marks and furthermore to cause stains on other tablets and that the tablets per se may stick to off-set roll due to

low peeling property between the coating on the surface of the tablets and the printing ink.

The object of this invention is to provide
5 tablets with clear impressed marks, letters, etc. which have no problems mentioned above and a method for producing them.

The above object has been attained by depositing
10 in the impressed valley portion a material different in color tone from the portion other than the mark portion of the tablets and, if necessary, thereafter providing a coating on the tablets.

15 This invention will be explained in detail.

The material to be used in this invention which is deposited in the impressed valley portion and which has different color tone from the portion other
20 than valley portion has no limitation as long as it is the one usually used as coatings or is an additive usually used for tablets and the like. This material will be called merely "deposition material" hereinafter. This deposition material can be used alone or as a mixture
25 of two or more. Usually, the additive to which a coloring matter is added to differentiate the color of the valley portion from that of other portion is used as the deposition material. In short, it is necessary that the color tone of the material is different from that of the portion
30 other than the mark portion. As examples of the material, mention may be made of powdery substances or powders, e.g., starches such as corn starch, wheat starch, potato starch, etc., sugars such as lactose, sucrose, mannitol, etc., inorganic coloring matters such as calcium sulfate, calcium phosphate, calcium carbonate, magnesium carbonate,
35 magnesium silicate, magnesium oxide, aluminum hydroxide,

titanium oxide, talc, kaolin, bentonite, etc., celluloses such as methyl cellulose, ethyl cellulose, carboxymethyl-ethyl cellulose, hydroxypropylmethyl cellulose, hydroxypropylmethyl cellulose phthalate, hydroxypropyl cellulose, crystalline cellulose, etc., coloring agents such as food dyes, food lake dyestuff, etc., waxes, gum arabic, etc. or mixtures thereof which are per se powders or are powdered. Preferred are inorganic coloring matters such as talc, magnesium carbonate, magnesium silicate, magnesium oxide, aluminum hydroxide, etc., hydroxypropyl cellulose or starches. Any other materials which can be deposited in the impressed valley portion may also be used.

The tablets impressed with marks, etc. (which will be called merely "impressed tablets" hereinafter) have no special limitation in their shape, size, etc. and may be either uncoated tablets or coated tablets as long as they have marks impressed thereon. However, adherence of the deposition material to the impressed valley portion of the latter tablets, i.e., those having a coating thereon is better than that of uncoated tablets. Therefore, in order to obtain clearer impressed marks, it is preferred to use the tablets which are applied with a coating in such a manner that the impressed valley portion is not filled up with the coating.

The tablets of this invention may be obtained by depositing the deposition material in the impressed valley portion. For this purpose, firstly the impressed tablets and the deposition material are mixed and contacted with each other at substantially dry state in a suitable vessel. One method for the mixing and contacting the tablets with the deposition material comprises introducing the impressed tablets and the deposition material in the generally used coating pan or through-flow drying type pan and operating the pan until the

deposition material has been uniformly deposited in the impressed valley portion.

Amount of the deposition material to the tablets
5 at mixing and contacting varies depending on properties of the surface of the tablets and kind of the deposition material and usually may be 5% or less. Of course, addition of more than 5% causes no problems.

10 In this way, the deposition material is uniformly deposited in the impressed valley portion of the marks.

Then, preferably, the excess deposition material other than deposited in the impressed valley portion is
15 removed. This removal of the excess deposition material may be carried out, for example, by sifting the excess deposition material from the tablets with an ordinary sieve, by rubbing the surface of the tablets with a brush and by passing air therethrough, for example, by inserting
20 into layer of tablets an exhaust tube of a coating pan the open tip of which is covered with a gauze or a net and removing the excess deposition material with suction air. More preferably, the excess deposition material may be easily removed by simultaneous charging and discharging
25 of air using a through-flow type pan or apparatus.

That is, as is clear from the above explanation or examples given hereinafter, the method for making the tablets according to this invention comprises mixing and
30 contacting the impressed tablets with the deposition material at substantially dry state to uniformly deposit the deposition material in the impressed valley portion of the tablets and then removing excess deposition material other than deposited in the impressed valley portion. Thus
35 obtained tablets having impressed valley portion in which a deposition material is deposited have, as they are,

sufficiently clear impressed marks, but if necessary, they may be further applied with a desired coating such as water-soluble, gastric juice soluble or enteric coating. Amount of the coating has no special limitation as long as it does not cause loss of the difference in color tone which brings about the clear impressed marks of this invention. Any materials which are generally used for coating of tablets may be used as components of the coating. As examples of coating agents, mention may be made of sucrose, methyl cellulose, hydroxypropylmethyl cellulose, hydroxypropyl cellulose, polyvinyl acetal diethylaminoacetate, carboxymethylethyl cellulose, cellulose acetate phthalate, hydroxypropylmethyl cellulose phthalate, methacrylic acid and ethyl acrylate copolymers, etc. As examples of plasticizers, mention may be made of polyethylene glycol, propylene glycol, glycerine, triacetin, castor oil, myvacet, shellac, etc. and as examples of coloring agents, mention may be made of food dyestuff, food lake dyestuff, titanium oxide, talc, kaolin, etc. Any coating solvents which are generally used such as water, ethanol, acetone, methylene chloride, isopropyl alcohol, etc. may be used. As coating method, there may be used any methods such as pouring of coating solution, spraying by air spray or airless spray gun, etc. Any of coating devices recently used for coating such as through-flow type coating pans or fluidization type coating devices may be used besides the conventionally used so-called coating pans. The coating conditions are utterly the same as those conventionally employed.

When a mixture of a wax and a powdery material or powder is used as the deposition material in this invention, adherence of the deposition material and the impressed tablets in the impressed valley portion can be further increased by heating the wax mixture after deposition in the valley portion to 40 - 90°C to thereby melt the wax. Preferred example of this method comprises depositing

the wax mixture in the impressed portion and then removing an excess deposition material other than deposited in the valley portion by the above mentioned method before heating it to 40 - 90°C. Thus obtained impressed tablets may be coated, if necessary. The heating to 40 - 90°C may be carried out by the ordinary drying method for tablets such as by passing warm air therethrough, by leaving them in a warming chamber, etc. The waxes used for this purpose are those which are solid at room temperature and have a melting point of 90°C or less. Examples of the waxes are oils and fats such as hydrogenated oil (Lubri Wax[®]), etc., bees wax, Carnauba wax, etc., hydrocarbons such as paraffins, higher alcohols such as cetyl alcohol, stearyl alcohol, etc., higher fatty acids such as stearic acid, palmitic acid, etc., polyhydric alcohols such as polyethyleneglycol, etc., fatty acid esters of polyhydric alcohols, e.g., sucrose fatty acid esters such as sucrose monopalmitate, sucrose monostearate, sucrose tripalmitate, sucrose tristearate, etc., sorbitan fatty acid esters such as sorbitan monostearate, sorbitan monopalmitate, sorbitan tristearate, etc.

The waxes may be used in an amount of 70% or less, preferably 5 - 50% of other powdery material or powder.

Preferred examples of said powdery material or powder are inorganic colorants, starches, celluloses or mixtures thereof with colorants. These may be deposited in the same manner as mentioned hereinbefore.

Thus obtained tablets have clearer marks for identification than the conventional tablets and may be subjected to polishing, etc. to give gloss.

This invention will be illustrated by the following examples wherein part is by weight.

Example 1

(Preparation of tablets having marks
impressed thereon)

	Lactose	70 parts
5	Corn starch	25 parts
	Carboxymethyl cellulose calcium	5 parts

The above components were mixed and to the
mixture was added 20 parts of 5% corn starch paste.
10 These were kneaded and then dried to obtain granules,
to which 0.5 part of magnesium stearate was added followed
by mixing. From the mixture were prepared tablets having
a diameter of 8 mm and a weight (per one tablet) of 190 mg
and impressed with a figure "50" (width: 0.3 mm, depth:
15 0.15 mm and angle: 60°) on the surface by a rotary tablet
machine.

(Preparation of coating solution)

	Polyvinyl acetal diethylaminoacetate	6 parts
20	Polyethylene glycol 6000	1 part
	Titanium oxide	0.2 part
	Methanol	93 parts

The above components were stirred until they
25 were homogeneously dispersed or dissolved to prepare a
coating solution.

(Procedure)

1.5 kg of the tablets and 70 g of a deposition
30 material which was a mixture of 100 parts of talc and one
part of FD & C yellow No. 5 aluminum lake dyestuff were
charged in a coating pan of about 30 cm in diameter and
the coating pan was operated for 10 minutes to uniformly
deposit said deposition material in the valley portion of
35 the impressed figure. Then, the tablets were taken out
from the coating pan and excess deposition material was

removed by sifting by a No. 12 sieve. Then, the tablets were again charged in the coating pan to carry out coating with said coating solution according to a conventional method to obtain tablets having a coating amount of about 4.1 mg per one tablet and having the impressed figure colored in reddish yellow when 600 g of said coating solution had been sprayed.

Example 2

10 (Preparation of coating solution)

Hydroxypropylmethyl cellulose	7 parts
Titanium oxide	1 part
Water	92 parts

15 The above components were stirred until they were homogeneously dispersed or dissolved to obtain a coating solution.

(Procedure)

20 10 kg of the same tablets as used in Example 1 were charged in High-Coater[®] (through-flow drying type coating device, HCT-60, manufactured by Freund Sangyo K.K.) and coating was effected according to the conventional method to obtain tablets having a coating amount of about 25 5.1 mg per one tablet when 5 kg of said coating solution was sprayed. Then, after discontinuation of charging and discharging of air, to the tablets was added 200 g of a deposition material prepared by mixing 100 parts of kaolin, 30 3 parts of FD & C blue No. 2 aluminum lake dyestuff and 10 parts of corn starch and the pan was operated for 5 minutes to uniformly deposit the deposition material in the impressed valley figure portion. Then, excess deposition material was removed by operating the pan for 10 minutes with passing air therethrough by charging and discharging 35 of air to obtain tablets having the impressed figure colored in blue.

Example 3

(Preparation of coating solution)

	Hydroxypropylmethyl cellulose phthalate	5 parts
	Titanium oxide	0.3 part
5	Methylene chloride	45 parts
	Ethanol	45 parts

The above components were stirred until they
were homogeneously dispersed or dissolved to obtain a
10 coating solution.

(Procedure)

10 kg of the same tablets as used in Example 1
were charged in High-Coater[®] (HCT-60) to coat them with
15 the same coating solution as used in Example 2 according to
a conventional method to obtain tablets having a coating
amount of about 2.2 mg per one tablet when 2 kg of the
coating solution was sprayed. Then, after discontinuation
of charging and discharging of air, to the tablets was
20 added 200 g of a deposition material prepared by mixing 100
parts of kaolin, 3 parts of FD & C yellow No. 5 aluminum
lake dyestuff and 20 parts of lactose and the pan was
operated for 5 minutes to uniformly deposit the deposition
material in the impressed valley figure portion. There-
25 after, the pan was further operated for 10 minutes with
passing air therethrough by charging and discharging of
air to remove excess deposition material. Then, the
tablets were coated with 32 kg of said coating solution
prepared in this Example according to a conventional
30 method to obtain tablets having a coating amount of about
23.0 mg per one tablet and having the impressed figure
colored in reddish yellow. These tablets met the test
specification for enteric coated preparations disclosed
in the Japanese Pharmacopoeia.

Example 4

(Preparation of coating solution)

Coating solution - 1

	Hydroxypropylmethyl cellulose	6 parts
5	Titanium oxide	0.3 part
	Red No. 103 dyestuff (The Japanese Standard of Food Additives)	1.5 parts
	Polyethylene glycol 400	1.5 parts
	Water	90 parts

10 Coating solution - 2

	Hydroxypropylmethyl cellulose	7 parts
	Water	93 parts

The above components were stirred until they
15 were homogeneously dispersed or dissolved to obtain the
coating solution - 1 and the coating solution - 2.

(Procedure)

15 kg of the same tablets as used in Example 1
20 were charged in High-Coater[®] (HCT-60) to coat them with
coating solution - 1 by the conventional method to obtain
tablets having a coating amount of about 2.1 mg per one
tablet when 3 kg of the coating solution - 1 was sprayed.
Then, after discontinuation of charging and discharging
25 of air, 300 g of talc was added to the tablets and the
pan was operated for 5 minutes to uniformly deposit the
talc in the impressed valley figure portion. Thereafter,
the pan was further operated for 2 minutes with passing
air therethrough by charging and discharging of air to
30 remove excess talc. Then, coating of the tablets was
carried out using 1 kg of said coating solution - 2 to
obtain reddish brown tablets having a coating amount of
about 2.7 mg per one tablet and having the impressed
figure colored in white.

35

The above procedure was repeated except that

talc was replaced with 300 g of magnesium silicate, magnesium oxide or aluminum hydroxide to obtain reddish brown tablets having white impressed figure in each case.

5 Example 5

(Preparation of coating solution)

	Hydroxypropyl cellulose	8 parts
	FD & C yellow No. 5 aluminum lake	
	dyestuff	1 part
10	Glycerine	0.5 part
	Water	90 parts

The above components were stirred until they were homogeneously dispersed or dissolved to obtain a
15 coating solution.

(Procedure)

10 kg of the same tablets as used in Example 1 were charged in High-Coater[®] (HCT-60) to coat them with
20 said coating solution by a conventional method to obtain tablets having a coating amount of about 4.2 mg per one tablet when 4 kg of the coating solution was sprayed. Then, after discontinuation of charging and discharging of air, to the tablets was added 300 g of a deposition
25 material obtained by mixing 100 parts of talc and 4 parts of FD & C blue No. 1 aluminum lake dyestuff and the pan was operated for 5 minutes to uniformly deposit the material in the impressed valley figure portion. Then, the pan was further operated for 10 minutes with passing
30 air by charging and discharging of air to obtain reddish yellow tablets having blue impressed figure portion.

Example 6

(Preparation of tablets having impressed mark)

35	Lactose	70 parts
	Corn starch	30 parts

FD & C blue No. 1 aluminum lake
dyestuff

0.5 part

5 The above components were mixed and to the
mixture was added 20 parts of 5% corn starch paste. They
were kneaded and then dried to obtain granules. 0.5 part
of magnesium stearate was added thereto and mixed. From
the mixture, blue tablets having a diameter of 8 mm and
a weight (per one tablet) of 200 mg and having an impressed
10 figure "246" (width: 0.32 mm, depth: 0.16 mm and angle:
60°) on their surface were produced by a rotary tablet
machine.

(Preparation of coating solution)

15 Methyl cellulose 4 parts
Water 96 parts

The above components were stirred until they were
dissolved to obtain a coating solution.

20

(Procedure)

4 kg of said tablets and 170 g of heavy magnesium
carbonate were charged in a coating pan of about 40 cm
in diameter and the coating pan was operated for 10
25 minutes to uniformly deposit the heavy magnesium carbonate
in the impressed valley figure portion. Then, an exhaust
tube the opening end of which was covered with a gauze was
inserted in the tablets to remove excess heavy magnesium
carbonate by suction air. Thereafter, the tablets were
30 coated by spraying 600 g of said coating solution thereon
by a conventional method to obtain blue tablets having
white impressed figure portion.

Example 7

35 (Preparation of coating solution)

Hydroxypropylmethyl cellulose 6 parts

Titanium oxide	0.2 part
Yellow iron oxide	1.5 parts
Polyethylene glycol 6000	3 parts
Water	90 parts

5

The above components were stirred until they were homogeneously dispersed or dissolved to obtain a coating solution.

10

(Procedure)

From the granules prepared in Example 1, tablets having a diameter of 8.5 mm and a weight (per one tablet) of 210 mg and having an impressed bisect line (width: 0.5 mm, depth: 0.25 mm and angle: 90°) on their surface were produced by a rotary tablet machine. 10 kg of these tablets were charged in High-Coater[®] (HCT-60) to coat them with said coating solution by a conventional method to obtain tablets having a coating amount of about 5 mg when 3 kg of the coating solution was sprayed. Then, after discontinuation of charging and discharging of air, 400 g of calcium carbonate was added to the tablets and the pan was operated for 10 minutes to uniformly deposit calcium carbonate in the impressed valley line portion. Then, the pan was further operated for 2 minutes with passing air therethrough by charging and discharging of air to remove excess calcium carbonate. Then, these tablets were coated with 1 kg of the coating solution used in Example 6 by a conventional method to obtain yellowish brown tablets having a coating amount of about 6 mg per one tablet and having a white impressed line portion.

Example 8

(Preparation of coating solution)

Coating solution - 1

35	Hydroxypropylmethyl cellulose	7 parts
	Iron sesquioxide	2 parts

	Water	91 parts
	Coating solution - 2	
	Eudragit L30D55 [®] (aqueous dispersion	
	of methacrylic acid and ethyl	
5	acrylate copolymer manufactured by	
	Röhm Pharma GMBH)	50 parts
	Water	50 parts

10 The above components were stirred until they
were homogeneously dispersed and dissolved to obtain
coating solutions - 1 and - 2.

(Procedure)

15 From the granules prepared in Example 6,
tablets having a diameter of 9 mm and a weight (per one
tablet) of 280 mg and having an impressed figure "510"
(width: 0.2 mm, depth: 0.1 mm and angle: 50°) on their
surface were prepared by a rotary tablet machine. 12 kg
of these tablets were charged in High-Coater[®] (HCT-60)
20 to coat them with said coating solution - 1 by a conven-
tional method to obtain tablets having a coating amount
of about 4 mg per one tablet when 3 kg of the coating
solution was sprayed. Then, after discontinuation of
charging and discharging of air, 600 g of lactose was
25 added to the tablets and the pan was operated for 2
minutes to uniformly deposit the lactose in the impressed
valley figure portion. Thereafter, the excess lactose
was removed with passing air therethrough by charging
and discharging of air. Then, these tablets were coated
30 with 7 kg of said coating solution - 2 by a conventional
method to obtain reddish brown tablets having a coating
amount of about 2.1 mg per one tablet and having a white
figure portion.

35 The above procedure was repeated using 600 g
of hydroxypropyl cellulose (L-HPC[®]) manufactured by

Shinetsu Chemical Co., Ltd.) in place of the lactose to obtain reddish brown tablets having a white figure portion.

5 These tablets met the test specification for enteric coated preparations mentioned in Japanese Pharmacopoeia.

Example 9

10 (Preparation of coating solution)

Hydroxypropyl cellulose	5 parts
Stearic acid	0.5 part
Ethyl alcohol	40 parts
Methylene chloride	60 parts

15

The above components were stirred until they were homogeneously dissolved to obtain a coating solution.

(Procedure)

20 From the granules prepared in Example 1, tablets having a diameter of 10 mm and a weight (per one tablet) of 360 mg and having an impressed figure "135" (width: 0.43 mm, depth: 0.23 mm and angle: 60°) on their surface were prepared by a rotary tablet machine. 15 kg
25 of these tablets were charged in High-Coater[®] (HCT-60) to coat them with said coating solution by a conventional method to obtain tablets having a coating amount of about 2 mg per one tablet when 2.5 kg of the coating solution was sprayed. After discontinuation of charging
30 and discharging of air, to these tablets was added 500 g of a deposition material prepared by adding about 10 parts of water to 100 parts of mannitol and 5 parts of FD & C yellow No. 5 dyestuff, mixing and drying them and grounding them and the pan was operated for 2 minutes
35 to uniformly deposite the material in the impressed valley figure portion. Then, the pan was further

operated for one minute with passing air therethrough by charging and discharging of air to remove excess material. Thereafter, these tablets were further coated with 1 kg of said coating solution by a conventional method to
 5 obtain tablets having a coating amount of about 3 mg per one tablet and having reddish yellow impressed figure portion.

Example 10

10 (Preparation of coating solution)

Hydroxypropylmethyl cellulose	5 parts
Iron sesquioxide	1 part
Talc	0.5 part
Water	90 parts

15

The above components were stirred until they were homogeneously dispersed or dissolved to obtain a coating solution.

20 (Procedure)

From the granules prepared in Example 1, tablets having a diameter of 8 mm and a weight (per one tablet) of 200 mg and impressed with a figure "124" (width: 0.36 mm, depth: 0.18 mm and angle: 60°) on the
 25 surface were prepared by a rotary tablet machine. 12 kg of these tablets were charged in High-Coater[®] (HCT-60) to coat them with said coating solution by a conventional method to obtain tablets having a coating amount of about 1 mg per one tablet when 1.5 kg of said coating solution
 30 was sprayed. After discontinuation of charging and discharging of air, to the tablets was added 200 g of a mixture of 10 parts of talc and 1 part of a sucrose fatty acid ester (DKF-50[®] manufactured by Daiichi Kogyo Seiyaku Co., Ltd.) and the pan was operated for 3 minutes
 35 to uniformly deposit the mixture in the impressed valley figure portion. Thereafter, the pan was further operated

for 1 minute with passing air therethrough by charging
and discharging of air to remove excess mixture followed
by passing therethrough hot air of 90°C for 15 minutes
to obtain reddish brown tablets having a white impressed
5 figure portion.

The above procedure was repeated using a
hydrogenated oil (Lubri Wax 101[®] manufactured by Freund
Sangyo K.K.) in place of the sucrose fatty acid ester to
10 obtain reddish brown tablets having a white impressed
figure portion.

Example 11

(Preparation of coating solution)

15	Hydroxypropylmethyl cellulose	6 parts
	Yellow iron oxide	1.5 parts
	Glycerin	0.5 part
	Water	90 parts

20 The above components were stirred until a
homogeneous dispersion or solution was obtained to
prepare a coating solution.

(Procedure)

25 15 kg of the same tablets as used in Example 1
were charged in High-Coater[®] (HCT-60) to coat them with
said coating solution by a conventional method to obtain
tablets having a coating amount of about 2 mg per one
tablet when 2.5 kg of the coating solution was sprayed.
30 After discontinuation of charging and discharging of air,
to the tablets was added 600 g of a ground mixture of 5
parts of magnesium carbonate and 1 part of polyethylene
glycol 6000 and the pan was operated for 2 minutes to
uniformly deposit said mixture in the impressed valley
35 figure portion. Thereafter, the pan was further operated
for 1 minute with passing air therethrough by charging

and discharging of air to remove excess mixture followed by passing hot air of 80°C for 15 minutes to obtain yellowish brown tablets having a white impressed figure portion.

5

Example 12

(Preparation of coating solution)

	Hydroxypropyl cellulose	7 parts
	FD & C yellow No. 5 aluminum lake	
10	dyestuff	0.5 part
	Glycerin	0.5 part
	Water	90 parts

15 The above components were stirred until they were homogeneously dispersed or dissolved to prepare a coating solution.

(Procedure)

20 From the granules prepared in Example 1, tablets having a diameter of 9 mm and a weight (per one tablet) of 280 mg and impressed with a figure "510" (width: 0.2 mm, depth: 0.1 mm and angle: 50°) on the surface were prepared by a rotary tablet machine. 4 Kg of these tablets were charged in a coating pan of about 40 cm in diameter and
25 were coated with 1.2 kg of said coating solution by a conventional method. Then, 180 g of mixture of 1 part of stearic acid and 1 part of magnesium oxide was added to the tablets and the pan was operated for 5 minutes to uniformly deposit the mixture in the impressed valley figure portion.
30 Thereafter, an exhaust tube the opening end of which was covered with a gauze was inserted in the tablets to remove excess mixture by suction air. The resulting tablets were charged in a chamber dryer and heated at 80°C for 5 hours to obtain reddish yellow tablets having a white impressed
35 figure portion.

CLAIMS

1. A method for producing tablets having a mark impressed thereon characterised by depositing in the impressed valley portion providing said mark a material different in color tone from the portion other than the impressed valley portion.
2. A method according to claim 1 wherein the tablets are provided with a coating after said material has been deposited in the impressed valley portion.
3. A method according to claim 1 wherein the tablets are provided with a coating before deposition of said material in the impressed valley portion.
4. A method according to claim 1, 2 or 3 wherein said material is deposited by mixing and contacting the tablets with the material in a substantially dried state and then removing excess material not deposited in the impressed valley portion.
5. A method according to claim 4 wherein excess material is removed by passing air through a tablet layer.
6. A method according to any one of the preceding claims wherein the material is deposited using a pan.
7. A method according to claim 6 wherein the pan is a through-flow type pan.
8. A method according to claim 7 wherein excess material is removed by simultaneous charging and discharging of air into and from a through-flow drying type pan.
9. A method according to any one of the preceding claims wherein the material comprises a powdery material.
10. A method according to claim 9 wherein the powdery material is an inorganic colorant, hydroxypropyl cellulose or starch.

11. A method according to claim 10 wherein the inorganic colorant is talc, magnesium carbonate, magnesium silicate, magnesium oxide or aluminum hydroxide.
12. A method according to claim 9 wherein the powdery material comprises a mixture of a wax which is solid at room temperature and has a melting point of 90°C or less with another material.
13. A method according to claim 12 wherein the mixture contains 5 to 50% by weight of wax, based on the weight of said another material.
14. A method according to claim 12 or 13 wherein the mixture is heated to 40 - 90°C after its deposition in the impressed valley portion.